Index of Claims

| Application No.    | Applicant(s) |  |
|--------------------|--------------|--|
| 10/632,466         | DARTY, HARRY |  |
| Examiner           | Art Unit     |  |
| John A. Tweel, Jr. | 2636         |  |

| √ | Rejected |  |
|---|----------|--|
|   | Allowed  |  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| 4 | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| Α | Appeal   |
|---|----------|
| o | Objected |

| Cla           | aim              | Date     |        |         |         |          |                |                     | CI       | aim_         | Date     |              |          |                    |          |                 |         |          | CI       | Date |       |            |                 |                 |          |          |         |         |              |          |
|---------------|------------------|----------|--------|---------|---------|----------|----------------|---------------------|----------|--------------|----------|--------------|----------|--------------------|----------|-----------------|---------|----------|----------|------|-------|------------|-----------------|-----------------|----------|----------|---------|---------|--------------|----------|
|               | <u>a</u>         | 4        |        | 6       |         |          |                |                     |          |              | <u>8</u> | 4            | ا . ا    | ٥                  |          |                 | ł       |          |          |      | _     | ্ব         |                 | - 1             |          |          |         |         |              |          |
| Final         | Original         | 12/10/04 | 9/1/05 | 2/10/06 | -       |          |                |                     |          | Final        | Original | 12/10/04     | 9/1/05   | 2/10/06            |          |                 |         |          |          |      | Final | Original   |                 |                 |          |          |         | 1       |              |          |
| 证             | , j              | 12/1     | 9      | 2       | -       |          |                |                     |          | ίŒ           | Ę        | 2            | 9,       | 2/1                |          | - [             |         |          |          |      | ίΞ    | Ö          |                 |                 |          |          |         |         |              |          |
|               |                  |          |        | [_      |         | _        | Ш              |                     | _        | <u> </u>     | 1        | ļ            |          |                    | _        | 4               | 4       | 4_       | Щ        |      |       |            |                 | _               | 4-       | _        | _       | 4-      | 4_           | Ш        |
| 1_            | 0                | <b>√</b> | 1      | =       | _       |          | -              | -                   |          | 51           | 51       | =            | =        | =                  | -        | -+              | ╁       | +        | Н        |      |       | 101        | Н               | -+              | +        | +        | +       | +-      | +            | Н        |
| 2_            | (2)<br>3         | <b>√</b> | 1      | =       | +       | -        | <u> </u>       | -                   |          | <b> </b>     | 52       | 0            | L        | _                  | $\dashv$ | -               | +       | -        | $\vdash$ |      |       | 102        |                 | $\dashv$        | +        | +        | +       | +       | ╄            | $\vdash$ |
| 3             |                  | <b>√</b> | 1      | =       | -       | -        |                | $\dashv$            | :::      | <u> </u>     | 53       |              |          | -                  | $\dashv$ | -               | +       |          | Н        |      |       | 103        | Н               | $\dashv$        | +        | +        | -       | +       | ┼            | $\vdash$ |
| 4_            | 4                | 1        | 7      | =       |         | 1—       | Н              | -+                  |          | ⊩            | 54<br>55 |              | -        | _                  | $\dashv$ | +               | +       | +        | Н        |      |       | 104<br>105 | Н               | $\dashv$        | +        |          | +       | +-      | +            | ⊣        |
| 5             | 5                | 1        | 1      | =       |         | +        | ┦              | $\rightarrow$       | -        | <u> </u>     |          |              | _        | -                  | $\dashv$ | -+              | ╁       | +        | $\vdash$ |      |       | 106        | $\vdash$        | $\dashv$        | +        | +        | +       | ┿       | ╁            | ⊣        |
| <u>6</u><br>7 | 6<br>7           | 7        | 1      | =       | +-      | ╁        | Н              | -+                  |          | ⊩            | 56<br>57 |              | _        | Н                  | $\dashv$ | +               | ╁       | ╂─┤      | Н        |      |       | 107        | $\vdash$        | $\dashv$        | +        | +        | +       | +       | +            | $\vdash$ |
| 8             | 8                | <b>√</b> | 1      | ⇟       | +       | +-       | $\vdash$       | -+                  | $\dashv$ | ⊩            | 58       | $\vdash$     |          | -                  | $\dashv$ | -+              | +-      | +        | Н        |      |       | 108        |                 | -+              | +        | +        | +       | ┿       | +            | $\vdash$ |
| 9             | 9                | ₹        | 7      | =       | +       | 1-       | $\vdash$       | -                   |          | <del> </del> | 59       |              | $\vdash$ |                    | $\dashv$ | _               | 十       | ╁╌┤      | Н        |      |       | 109        | $\vdash$        | -+              | +        | +        | +       | +       | +-           | Н        |
| 10            | 10               | 7        | 1      | 計       | +       | +        | $\vdash$       | $\vdash$            |          | <del> </del> | 60       | -            | $\vdash$ |                    | $\dashv$ | ┰               | +       | +        | Н        |      |       | 110        | $\vdash$        | $\dashv$        | +        | +        | +       | +       | +            | Н        |
| 11            | 11               | 7        | 1      | ⇟       |         | +        | Н              | $\vdash$            |          |              | 61       | $\vdash$     | $\vdash$ | $\vdash$           | $\dashv$ | $\dashv$        | +       | +        | $\vdash$ |      |       | 111        | Н               | $\dashv$        | 十        | +        | +       | +       | ╁            | H        |
| 12            | 12               | <b>√</b> | 7      | =       | +-      | +        | $\vdash$       | +                   | -        | -            | 62       |              | -        | Н                  | -        | +               | +-      | +-       | Н        |      |       | 112        | H               | $\dashv$        | +        | $\dashv$ | +       | +       | +            | H        |
| 13            | 13               | 1        | V      | ⇟       | +       | +-       | $\vdash$       | $\dashv$            |          |              | 63       |              | Н        | -                  | -        | $\dashv$        | +       | +        | Н        |      |       | 113        | $\vdash$        | $\dashv$        | $\dashv$ | $\top$   | $\top$  | +       | +            | Н        |
| 14            | 14               | 1        | 1      | ⇟       | +-      | +        | H              | $\vdash$            |          | -            | 64       | $\vdash$     | 1        | Н                  | $\dashv$ | $\dashv$        | +       | +        | H        |      |       | 114        | Н               | $\dashv$        | 十        | $\dashv$ | $\top$  | $\top$  | T            | Н        |
| 15            | 15               | 7        | 1      | ╗       | +       | $\vdash$ | H              | $\vdash$            | <b>-</b> |              | 65       | <del> </del> | Н        |                    | $\dashv$ | $\neg \uparrow$ | $\top$  | $\top$   | H        |      |       | 115        |                 | $\neg +$        | 十        | $\top$   | $\top$  | $\top$  | $\top$       | П        |
| 16            | 16               | √        | 7      | =       | $\top$  | +        | $\vdash$       | $\vdash$            | -        | -            | 66       |              | $\Box$   | $\vdash$           | -        | $\dashv$        | $\top$  | $\top$   | Н        |      |       | 116        | $\vdash$        | $\dashv$        | 1        | $\top$   | $\top$  | $\top$  | T            | П        |
| 17            | 17               | 1        | 1      | =       | +       | +        | $\vdash$       | $\vdash$            |          |              | 67       | $\vdash$     | $\vdash$ | $\vdash$           | $\dashv$ | 十               | 十       | $\Box$   | $\vdash$ |      |       | 117        | Н               | $\top$          | $\top$   | $\top$   | $\top$  |         | $\top$       | П        |
| 18            | 18               | V        | 1      | =       | 1       | T        | П              | $\vdash$            | 7        |              | 68       |              |          |                    |          | $\top$          | 1       |          | П        |      |       | 118        | П               | $\dashv$        |          | 十        | $\top$  | 1       | 1            | П        |
| 19            | 18<br>(19)       | =        | =      | =       | 十       | 1        | H              |                     |          | -            | 69       |              |          |                    | $\Box$   |                 | $\top$  |          |          |      |       | 119        |                 |                 |          |          |         | T       | $\top$       | П        |
| 20            | 20               | =        | =      | =1      | $\top$  |          |                |                     |          |              | 70       |              |          |                    |          |                 | Т       |          | П        |      |       | 120        |                 |                 | 1        | T        | T       | 7       | $\top$       |          |
| 21            | 21               | =        | =      | =       | 1       |          |                |                     | 7        |              | 71       | П            |          |                    |          | T               | T       |          | П        |      |       | 121        |                 |                 |          |          |         | $\top$  |              |          |
| 22            | 22               | =        | =      | =       | 7       |          |                |                     |          |              | 72       | Π            |          |                    |          |                 | T       |          |          |      |       | 122        |                 |                 | T        | Т        |         |         |              |          |
| 23            | 23               | =        | =      | =       |         | 1        |                |                     |          |              | 73       |              |          |                    |          |                 | T       |          | П        |      |       | 123        |                 |                 |          | Т        | Т       | Т       | T            |          |
| 24            | 24               | =        | =      | =       |         | T        |                |                     |          |              | 74       |              |          |                    |          |                 |         |          |          |      |       | 124        |                 |                 |          |          |         |         |              |          |
| 25            | 25               | н        | =      | =       |         |          |                |                     |          |              | 75       |              |          |                    |          |                 |         |          |          |      |       | 125        |                 |                 |          |          |         |         | floor        |          |
| 26            | <b>26)</b><br>27 | =        | =      | =       |         |          |                |                     |          |              | 76       |              |          |                    |          |                 |         |          | Ш        |      |       | 126        |                 |                 |          | $\perp$  | $\perp$ | ┸       | ┸            |          |
| 27            | 27               | =        | =      | =       |         |          |                |                     |          |              | 77       |              |          |                    |          |                 |         |          | Ш        |      |       | 127        | Ш               |                 |          | $\perp$  | ┵       | $\perp$ | ╙            | Ш        |
| 28            | 28               | =        | =      | =       |         |          |                | Ш                   | _        |              | 78       | <u> </u>     |          |                    |          | $\perp$         |         |          | Ц        |      |       | 128        |                 |                 |          | $\perp$  | 1       | _       | ┸            | Ш        |
| 29            | 29               | =        | =      | =       | $\perp$ | <u> </u> |                | Щ                   | _        |              | 79       |              |          |                    |          |                 |         |          | Ш        |      |       | 129        |                 | _               | 4        | $\perp$  | ┵       | ┵       | 丄            | $\sqcup$ |
| 30            | 30               | =        | =      | =       |         | ┖        | Ш              |                     | _        |              | 80       | ļ            |          |                    | $\dashv$ |                 | $\perp$ |          | Ш        |      |       | 130        |                 | _               | _        | _        | _       |         | <del> </del> | Ш        |
| 31            | 31               | =        | =      | =       |         | ╙        | Ш              | $\sqcup$            | _        | <u> </u>     | 81       | <u> </u>     |          |                    | _        | _               | 4.      | <u> </u> | Ш        |      |       | 131        | Щ               | _               | 4        | _        | _       | _       | ₩            | Н        |
| 32            | 32<br>(33)       | =        | =      | =       | 4-      | ╀-       | $\sqcup$       | $\sqcup$            | _        | <u> </u>     | 82       | Ь            |          | $ldsymbol{\sqcup}$ | $\sqcup$ |                 | $\perp$ | ļ.,,     | Ш        |      |       | 132        | $\vdash \vdash$ | $\dashv$        | $\dashv$ | -        | 4       | +       | ┼            | $\vdash$ |
| 33            | <u> (33)</u>     | =        | =      | =       | -       | ╄        | Ш              | $\sqcup \downarrow$ |          | <u> </u>     | 83       | ļ            | L        |                    | $\dashv$ | $\perp$         | +       | 4        | Н        |      |       | 133        | $\vdash \vdash$ | $\dashv$        | +        | +        | +       | +       | ┼            | $\vdash$ |
| 34            | 34               | =        | =      | =       | +       | ╄        | Щ              | $\vdash$            |          | <u> </u>     | 84       | ₩            | L        | _                  | $\vdash$ |                 | +       | +-       | dash     |      |       | 134        | $\vdash \vdash$ |                 | +        | +        | $\perp$ | +       | +-           | $\vdash$ |
| 35            | 35               | =        | =      | =       | -       | ╄        | $\vdash$       | $\vdash$            |          |              | 85       | <u> </u>     | <u> </u> |                    |          |                 | +       | +        | Н        |      |       | 135        | Н               |                 | +        | +        | +       | +       | +-           | ╁╌┤      |
| 36            | 36               | =        | =      | =       | +       | ╀        | $\vdash$       | $\dashv$            |          | <u></u>      | 86       | ┢            | H        | _                  | $\vdash$ | -               | +       | +-       | Н        |      |       | 136        | Н               | $\dashv$        | +        | +        | +       | +       | +-           | $\vdash$ |
| 37            | 37               | =        | =      | =       | +       | +-       | 1              | $\dashv$            |          | <u> </u>     | 87       | $\vdash$     | $\vdash$ |                    |          | -               | +       | +-       | Н        |      | L     | 137<br>138 | Н               | -               | +        | +        | +       | +       | +-           | $\vdash$ |
| 38            | 38               | =        | =      | =       | +       | ╁        | <del>  -</del> |                     |          |              | 88       | ₩            | $\vdash$ | -                  |          | +               | +       | +-       | $\vdash$ |      |       | 138        | $\vdash$        | $\dashv$        |          | +        | +       | +       | +            | $\vdash$ |
| 39<br>40      | 6                | =        | =      | =       | +       | +        | $\vdash$       | $\vdash \vdash$     | :::      |              | 89<br>90 | ┼            | -        | -                  | $\vdash$ | -               | +       | +        | Н        |      |       | 140        | Н               |                 | +        | +        | ╫       | +       | +            | $\vdash$ |
|               | 41               | =        | =      | =       | +       | ╁        | $\vdash$       | $\dashv$            | -        |              | 91       | ⊢            | -        |                    | $\vdash$ | $\dashv$        | +       | +-       | ⊦⊣       |      |       | 141        | Н               | $\dashv$        | +        | +        | +       | +-      | +            | H        |
| 41<br>42      | 41               | =        | =      | =       |         | ╁╌       | $\vdash$       | $\vdash$            | $\dashv$ | <del></del>  | 92       | $\vdash$     | -        | -                  | $\vdash$ | $\dashv$        | +       | +        | Н        |      |       | 142        | Н               | +               | 十        | +        | +       | +-      | +            | H        |
| 42            | 42               | 2 2      | -      | =       |         | +        | $\vdash$       | $\vdash$            |          | <u> </u>     | 93       | ╁┈           | -        |                    | $\dashv$ |                 | +-      | +        | Н        |      |       | 143        | Н               | $\dashv$        | +        | ╁        | +       | +-      | +            | $\vdash$ |
| 44            | 44               | 1 81     | =      | =       | +-      | ╁        | H              | $\vdash$            |          | -            | 94       | $\vdash$     | $\vdash$ | $\vdash$           | $\vdash$ | -               | +-      | +        | Н        |      |       | 144        | Н               | $\dashv$        | 十        | +        | +       | +-      | +            | H        |
| 45            | 45               | =        | Ŧ      | =       | +-      | ╁        | H              | $\vdash$            | -        | -            | 95       | $\vdash$     | $\vdash$ | -                  | -        | $\dashv$        | +       |          | H        |      |       | 145        | H               | $\dashv$        | +        | $\dashv$ | +       | +       | +            | $\vdash$ |
| 46            | 46               | -        |        | =       | +       | ╁        | $\vdash$       | $\dashv$            | $\dashv$ | -            | 96       | $\vdash$     | H        | _                  | $\vdash$ | $\dashv$        | +       | +        | H        |      |       | 146        | $\vdash$        |                 | $\top$   | $\top$   | +       | $\top$  | +            | Н        |
| 47            | 47               | =        |        | =       | $\top$  | T        | П              | $\vdash$ †          | -        |              | 97       | T            | Г        |                    | $\vdash$ | $\dashv$        | +       | +        | H        |      |       | 147        | П               | $\dashv$        | 十        | $\top$   | 十       | 十       | $\top$       | П        |
| 48            | 48               | =        | =      | =       | +       | †        | 1              | $\Box$              | $\dashv$ | -            | 98       | $t^-$        |          |                    | $\vdash$ | $\top$          | ╅       |          | Н        |      |       | 148        | М               | _               | $\dashv$ | +        | 十       | †       | $\top$       | Н        |
| 49            | 49               | =        | =      | =       | +       | †        | П              | $\vdash$            | -        |              | 99       | T            |          |                    |          | $\dashv$        | $\top$  | +        | H        |      |       | 149        | М               | $\dashv$        | 十        | 十        | ┰       | 1       | 1            | М        |
| 50            | 50               | =        | ▗      | =       | +       | T        | П              | $\sqcap$            | -        | 1            | 100      | T            |          |                    | $\sqcap$ | $\dashv$        | $\top$  |          | M        |      |       | 150        | М               | $\neg \uparrow$ | 十        | 十        | 十       | 1       | 1            | П        |
| <del></del>   |                  | _        |        |         |         | -        |                | LL                  |          | -            |          |              |          |                    |          |                 |         |          |          |      |       |            |                 |                 |          |          |         |         |              |          |